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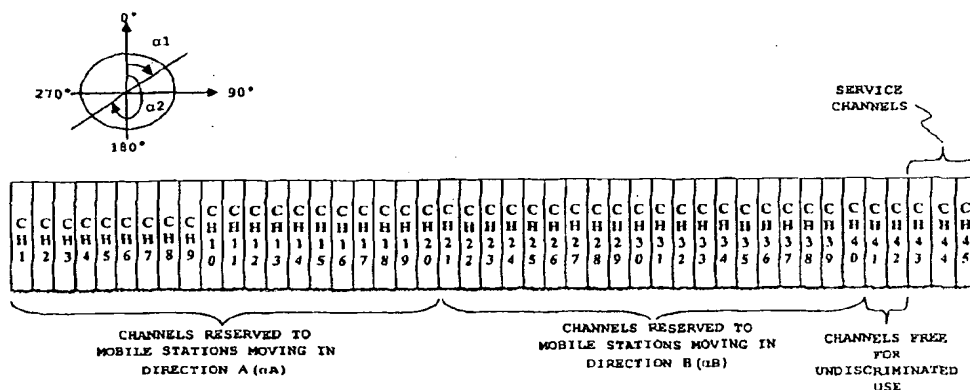
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(54) Title: **CONTROLLING ACCESS TO A SHARED COMMUNICATION MEDIUM OF A MOBILE ADHOC NETWORK**



(57) Abstract: A method Of controlling access of mobile users (1050,105a2,1050,105b1,105W) of a substantially infrastructure-less communications network to a shared communication medium, wherein the shared communication medium is partitioned into a plurality of individual communication channels (CH1-CH42) that can be individually exploited for communications between the network users. the method comprises determining the existence of at least one main direction of movement (A,B) of the network users, the main direction of movement being a direction around which directions of movement of a prescribed number of network users are clustered; associating a group (CH1-CH20,CH21-CH40) of communication channels within the plurality of communication channels to the at least one main direction of movement; and reserving the communication channels of said group to the network users moving substantially in said main direction of movement.